

FAA-S-2537
August 7, 1972

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION SPECIFICATION

TELECOMMUNICATION SERVICES FOR SYSTEM MAINTENANCE MONITOR CONSOLE
(SMC)

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TELECOMMUNICATION SERVICES FOR SYSTEM MAINTENANCE MONITOR CONSOLE
(SMC)

1. SCOPE

1.1 Scope - This specification outlines the ~~intercom/interphone~~ features required for the System Engineer (SE) and Assistant System Engineer (ASE) operating at the System Maintenance Monitor Console (SMC) in the Air Route Traffic Control Centers (ARTCC). This specification is to be used to lease telecommunications services from the local telephone company to meet the requirements contained herein. It is not to be used for procurement of equipment. The type of position equipment which is to be installed in the SMC is specified in order to provide standard equipment; i.e., the same type of position equipment used at other positions in the ARTCC. Both the 300 Switching System and the Administrative/Maintenance Telephone System (PBX) will be used in providing the required communication services to the SMC.

2. APPLICABLE DOCUMENTS

2.1 FAA Specifications - The following FAA Specifications apply in their entirety:

- (a) FAA Specification FAA-S-2010 - ARTC Center Interphone Switching System (300 System)

- (b) FAA Specification ~~FAA-E-2486~~ - Headset Acoustic Tube.
- (c) FAA Specification ~~FAA-E-2347~~ - Systems Maintenance Monitor Console.

2.2 FAA Handbooks - The following FAA Handbooks apply in their entirety:

- (a) 300 Interphone Switching System Handbook - FAA Handbook **6530.2**.
- (b) FAA Handbook ~~4441.9~~ - Practices Concerning Leased **Telecommunications** Services.

2.3 Reference Documents - The following document is for reference only:

- (a) SRDS Report Number ~~RD-68-6~~ - Maintenance Communications System, Jacksonville **ARTCC**, June **1968**.

3. REQUIREMENTS

3.1 General - Communications service shall be provided to the two positions at the **SMMC**. The capability provided shall be similar to that provided to the controllers and to the administrative/maintenance positions by the **300** System and the **PBX** in each center. More details on the features and functions to be provided are included in subsequent paragraphs. None of the requirements stated herein should be construed to imply a requirement for a new interphone switching system or a new **PBX**. The features and services required for the **SMMC** positions are to be provided by the existing **300** System and the existing **PBX**, supplemented with additional equipment necessary to meet the new requirements.

3.2 Contractor Furnished Services - The contractor shall design, fabricate, deliver, install, test and maintain all equipment required to provide the communications services delineated herein for the **SMMC**.

3.3 Subscriber Features - The subscriber features described below shall be provided to each position at the **SMMC**. The detailed characteristics of each feature (e.g., status indications of lamps) shall be as described in the **300** System Handbook **6530.2**.

3.3.1 Direct Access (DA) - Direct Access is a feature used to seize a line either for answering an incoming **call**, or for originating a call. For each line to be accessed (either override to a position on the **300** System or to a line serving the **300** System), a pickup key will be required at both **SMMC** positions.

3.3.2 Indirect Access (IA) - By dialing the appropriate code, any position or any trunk into the **300** System may be accessed. Each of the two **SMMC** positions shall have the capability to override any **300** System position or gain access to any external trunk serving the **300** System. However, it shall be the Government's option as to whether each position will be able to receive an incoming override connection. This is a wiring option of the